

Project Name: Katanning land resources survey
Project Code: KLC **Site ID:** 1887 **Observation ID:** 1
Agency Name: Agriculture Western Australia

Site Information

Desc. By: Heather Percy	Locality:
Date Desc.: 08/08/94	Elevation: 340 metres
Map Ref.:	Rainfall: No Data
Northing/Long.: 6247100 AMG zone: 50	Runoff: No Data
Easting/Lat.: 497680 Datum: AGD84	Drainage: Imperfectly drained

Geology

ExposureType: Auger boring	Conf. Sub. is Parent. Mat.: No Data
Geol. Ref.: No Data	Substrate Material: No Data

Land Form

Rel/Slope Class: Undulating rises 9-30m 3-10%	Pattern Type: Rises
Morph. Type: Mid-slope	Relief: 20 metres
Elem. Type: Hillslope	Slope Category: No Data
Slope: 6 %	Aspect: 180 degrees

Surface Soil Condition Firm

Erosion: (wind); (sheet) (rill) (gully)

Soil Classification

Australian Soil Classification: N/A	Mapping Unit: N/A
ASC Confidence: Confidence level not specified	Principal Profile Form: Uc2.21
	Great Soil Group: N/A

Site Complete clearing. Pasture, native or improved, cultivated at some stage

Vegetation:

Surface Coarse No surface coarse fragments; 0-2%, , angular, Granite

Profile

A11	0 - 0.15 m	Very dark grey (10YR3/1-Moist); , 0-0% ; Loamy sand; Weak grade of structure; Sandy (grains)
A12	0.15 - 0.3 m	Dark greyish brown (10YR4/2-Moist); , 0-0% ; Clayey coarse sand; Single grain grade of structure; Wet;
A21	0.3 - 0.5 m	Brown (10YR5/3-Moist); , 0-0% ; Clayey coarse sand; Single grain grade of structure; Wet; Field pH 6
A22e	0.5 - 0.7 m	Light yellowish brown (10YR6/4-Moist); , 0-0% ; Clayey coarse sand; Single grain grade of structure; Wet; Field pH 7 (Raupach); Clear change to -
B1	0.7 - 0.85 m	Light grey (10YR7/1-Moist); Mottles, 5YR66, 10-20% , 5-15mm, Distinct; Coarse sandy clay loam;
B2	0.85 - 1 m	Pale yellow (2.5Y7/4-Moist); Mottles, 2.5Y56, 10-20% , 5-15mm, Distinct; Coarse sandy clay loam; Weak
C	1 - 1.2 m	Light grey (2.5Y7/2-Moist); , 0-0% ; Clayey coarse sand; Massive grade of structure; Wet; 20-50%, medium gravelly, 6-20mm, angular, Granite, coarse fragments; Field pH 4.5 (Raupach);

Morphological Notes

A22e	Water entered in this layer
C	Weathered granite

Observation Notes

Site Notes

Site along Murrin Brook road - 20 m east of a dolerite dyke.

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Laboratory Test Results:

Depth	pH	1:5 EC	Ca	Exchangeable Mg	Cations K	Na	Exchangeable Acidity	CEC	ECEC	ESP
m		dS/m				Cmol (+)/kg				%
0 - 0.1	4.6B									
0.15 - 0.25	4.7B									
0.4 - 0.5	5.1B									
0.7 - 0.85	4.2B	19B	0.35H	2	0.07	0.56	0.2J		2.98D	
	4.7H									
0.85 - 1	3.9B	35B	2.6H	0.67	0.05	0.03	<0.02J		3.35D	
	4.3H									

Depth	CaCO ₃	Organic C Clay	Avail. P	Total P	Total N	Total K	Bulk Density	Particle GV	Size CS	Analysis FS	Silt
m	%	%	mg/kg	%	%	%	Mg/m ³			%	
0 - 0.1											
0.15 - 0.25											
0.4 - 0.5											
0.7 - 0.85									79I		7.5
13.5											
0.85 - 1									67I		10
23											

Laboratory Analyses Completed for this profile

15_NR_BSa	Exchangeable bases (Ca++) - meq per 100g of soil - Auto calculated from available
15_NR_CMRR	Exchangeable bases (Ca/Mg ratio) - Not recorded
15E1_AL	Exchangeable Al - by compulsive exchange, no pretreatment for soluble salts
15E1_CA	Exchangeable bases (Ca ²⁺ ,Mg ²⁺ ,Na ⁺ ,K ⁺) by compulsive exchange, no pretreatment for soluble salts
15E1_K	Exchangeable bases, CEC and AEC by compulsive exchange, no pretreatment for soluble salts
15E1_MG	Exchangeable bases, CEC and AEC by compulsive exchange, no pretreatment for soluble salts
15E1_MN	Exchangeable bases (Mn ²⁺) by compulsive exchange, no pretreatment for soluble salts
15E1_NA	Exchangeable bases, CEC and AEC by compulsive exchange, no pretreatment for soluble salts
15J_BASES	Sum of Bases
15N1_b	Exchangeable sodium percentage (ESP) - Auto calculated from available using Sum of Cations
3_NR	Electrical conductivity or soluble salts - Not recorded
4_NR	pH of soil - Not recorded
4B1	pH of 1:5 soil/0.01M calcium chloride extract - direct
P10_NR_C	Clay (%) - Not recorded
P10_NR_S	Sand (%) - Not recorded
P10_NR_Z	Silt (%) - Not recorded